KBox C–101 FAMILY

▼

FLEXIBLE INDUSTRIAL COMPUTER PLATFORM FOR HIGH PERFORMANCE APPLICATIONS

▶ wartungsfrei (maintenance-free): no moving parts, battery-free
▶ modular approach - Forever Young
▶ offers maximum of flexibility and expansion capabilities
▶ proven building blocks - easy customization

POSSIBILITIES START HERE   ◆ **kontron**

KBOX C-101 FAMILY

Designed for maintenance-free operation and industry-leading performance, Kontron's flagship in the KBox family is a industrial computer platform for demanding control cabinet applications. Based on the Forever Young approach, the KBox C-101 is highly scalable and ensures simple upgrades whenever needed. In addition, integrating standard components, such as PCIe or miniPCIe card, system expansions can be carried out quickly while allowing developers a greater degree of flexibility.

▶ TECHNICAL INFORMATION

	KBOX C-101-2	KBOX C-101-1	KBOX C-101-0
PROCESSORS	4th Generation Intel® Core™ processor via COMe type 6: » i7-4700EQ: Quad-Core 2.4 GHz, 6 MByte cache » i5-4402E: Dual-Core 1.6 GHz, 3 MByte cache » Celeron® 2002E: Dual-Core 1.5 GHz, 2 MByte cache		
PLATFORM CONTROLLER HUB	Intel® QM87 (HM86 for Celeron®)		
MEMORY	Up to 16 GByte DDR3L RAM, non-ECC		
RTC	High-precision RTC with gold cap backup		
TRUSTED PLATFORM MODULE (TPM)	Atmel AT97SC3204 TPM 1.2 controller		
INTERFACES	3x 10/100/1000 MBit/s Ethernet with IEEE1588 support 2x USB 3.0, 2x USB 2.0 1x DisplayPort 1x RS232 8x LEDs (Thermal, Drive, SD, Watchdog / 4x General Purpose) 2x Buttons Power/Reset & Rescue		
STORAGE DRIVES	2x mSATA (internal), 1x SDCard (removable), 2x 2.5" SATA SSD/HDD internal, Optional accessible via removable drive assemblies RAID support	2x mSATA (internal), 1x SDCard (removable), 1x 2.5" SATA SSD/HDD internal, Optional accessible via removable drive assembly RAID support	2x mSATA (internal), 1x SDCard (removable), 1x 2.5" SATA SSD/HDD internal RAID support
EXPANSIONS	2x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	1x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	2x mPCIe (1x for Fieldbus expansion)
POWER SUPPLY	24VDC (+20 %/-15 %), 10ms hold-up		
DIMENSION (H X W X D)	290 x 155 x 210 mm (11.42" x 6.1" x 8.27")	290 x 130 x 210 mm (11.42" x 5.12" x 8.27")	290 x 117 x 210 mm (11.42" x 4.61" x 8.27")
MOUNTING	Control cabinet key holes, book size format		
COOLING	Fanless		
ENVIRONMENTAL OPERATING TEMPERATURE STORAGE TEMPERATURE CLIMATIC HUMIDITY	with Core™ i5-4402E 0° C to +65° C (32° F to 149° F) with Core™ i7-4700EQ 0° C to +50° C (32° F to 122° F) -40° C to +85° C (-40° F to 185° F) 93 % RH at 40° C, not condensing (acc. to IEC 60068-2-78)		
APPROVALS	CE, CB, ETL(UL), FCC		
SOFTWARE SUPPORT	Windows® 7, Windows® Embedded Standard 7, Windows® 8.1, Linux®		
WEIGHT	ca. 4.75 kg (10.47 lbs)	approx. 4.3 kg (9.48 lbs)	3.8 kg (8.38 lbs)

▶ CORPORATE OFFICES

EUROPE, MIDDLE EAST & AFRICA

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com

NORTH AMERICA

14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: + 1 888 294 4558
Fax: + 1 858 677 0898
info@us.kontron.com

ASIA PACIFIC

1~2F, 10 Building, No. 8 Liangshuihe 2nd Street,
Economical & Technological Development Zone,
Beijing, 100176, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn

www.kontron.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Kontron](#):
[2-A0CT-2003](#) [2-A0CT-2004](#) [2-A0CT-2005](#) [2-A0CT-2006](#) [2-A0CY-2001](#) [2-A0CY-2002](#) [2-A0CY-2003](#) [2-A0CZ-2001](#) [2-A0CZ-2002](#)